| L Number Hits Search Text  1   | USPAT | Time stamp  2003/06/04 15:10  2003/06/04 14:54 2003/06/04 14:54 2003/06/04 15:00  2003/06/04 15:03 2003/06/04 15:03 2003/06/04 15:03  2003/06/04 15:04 2003/06/04 15:04 2003/06/04 15:04 2003/06/04 15:05 2003/06/04 15:05 2003/06/04 15:05                      |
|--|---|--|
| Or ("4547228")).PN.  | USPAT                   | 2003/06/04 14:54<br>2003/06/04 14:54<br>2003/06/04 14:58<br>2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:07 |
| 1 ("4223243").PN. 1 ("2798030").PN. 87932 sand ((("5423370") or ("4512821") or ("4524957") or ("4547228")).PN.) and sand  1 ("4443551").PN. 24 4443551.URPN. 10 ("2608474"   "3466021"   "3647714"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.  11 5 sand and (4443551.URPN. (("2608474"   "3466021"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.))  12 1076311 metal 13 110484 casting castings 14 1273 sand with metal with (casting castings) 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor | USPAT                               | 2003/06/04 14:54<br>2003/06/04 14:58<br>2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 1 ("2798030").PN. 87932 sand ((("5423370") or ("4512821") or ("4524957") or ("4547228")).PN.) and sand  1 ("4443551").PN. 24 4443551.URPN. 10 ("2608474"   "3466021"   "3647714"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.  11 5 sand and (4443551.URPN. (("2608474"   "3466021"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.))  12 1076311 metal 13 110484 casting castings 14 1273 sand with metal with (casting castings) 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor                   | USPAT                               | 2003/06/04 14:54<br>2003/06/04 14:58<br>2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 87932   sand   ((("5423370") or ("4512821") or ("4524957") or ("4547228")).PN.) and sand     ("4443551").PN.   | USPAT                                     | 2003/06/04 14:58<br>2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:07   |
| Toleran  | USPAT   | 2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:00<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:07   |
| or ("4547228")).PN.) and sand  ("4443551").PN.  4443551.URPN.  ("2608474"   "3466021"   "3647714"    "3680349"   "3890111"   "3927479"    "3974091"   "4051069"   "4223843"    "4322384").PN.  5 sand and (4443551.URPN. (("2608474"    "3466021"   "3647714"   "3680349"    "3890111"   "3927479"   "3974091"    "4051069"   "4223843"   "4322384").PN.))  12 1076311 metal  13 110484 casting castings  14 1273 sand with metal with (casting castings)  15 39288 distributor  16 22 (sand with metal with (casting castings))  and distributor  | USPAT   | 2003/06/04 15:03<br>2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:07   |
| 8 9 1 ("4443551").PN. 24 443551.URPN. 10 10 ("2608474"   "3466021"   "3647714"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN. 5 sand and (4443551.URPN. (("2608474"   "3466021"   "3647714"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.)) 12 1076311 metal 13 110484 casting castings 14 1273 sand with metal with (casting castings) 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor  | USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT   | 2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 9  | USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT   | 2003/06/04 15:00<br>2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 10   | USPAT USPAT USPAT USPAT USPAT USPAT USPAT USPAT   | 2003/06/04 15:03<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.  5 sand and (4443551.URPN. (("2608474"   "3466021"   "3647714"   "3680349"   "3890111"   "3927479"   "3974091"   "4051069"   "4223843"   "4322384").PN.))  12 1076311 metal 13 110484 casting castings 14 1273 sand with metal with (casting castings) 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor   | USPAT USPAT USPAT USPAT USPAT USPAT   | 2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| "3974091"   "4051069"   "4223843"   "4322384").PN.   | USPAT<br>USPAT<br>USPAT<br>USPAT<br>USPAT   | 2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 11   | USPAT<br>USPAT<br>USPAT<br>USPAT<br>USPAT   | 2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 11   | USPAT<br>USPAT<br>USPAT<br>USPAT<br>USPAT   | 2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| "3466021"   "3647714"   "3680349"     "3890111"   "3927479"   "3974091"     "4051069"   "4223843"   "4322384").PN.))   12  | USPAT<br>USPAT<br>USPAT<br>USPAT<br>USPAT   | 2003/06/04 15:04<br>2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| "3890111" "3927479" "3974091"   "4051069" "4223843" "4322384").PN.))  12   | USPAT<br>USPAT<br>USPAT<br>USPAT  | 2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| "4051069"   "4223843"   "4322384").PN.))   12  | USPAT<br>USPAT<br>USPAT<br>USPAT  | 2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 12   | USPAT<br>USPAT<br>USPAT<br>USPAT  | 2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 13   | USPAT<br>USPAT<br>USPAT<br>USPAT  | 2003/06/04 15:04<br>2003/06/04 15:07<br>2003/06/04 15:05   |
| 14 1273 sand with metal with (casting castings) 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor   | USPAT<br>USPAT<br>USPAT   | 2003/06/04 15:07<br>2003/06/04 15:05   |
| 15 39288 distributor 16 22 (sand with metal with (casting castings)) and distributor   | USPAT<br>USPAT  | 2003/06/04 15:05   |
| 16 22 (sand with metal with (casting castings)) and distributor  | USPAT   |  |
| and distributor  |   | ∠UU3/U6/04 15:06   |
|  | HCDAT   | i  |
| 1  | CHCDAT  |  |
| 17 1811 debond debonding   | ſ   | 2003/06/04 15:06   |
| 18 0 distributor same (debond debonding)   | USPAT   | 2003/06/04 15:07   |
| 2 (sand with metal with (casting castings))  | USPAT   | 2003/06/04 15:07   |
| same (debond debonding)  |   |  |
| 20 6425 sand with metal  | USPAT   | 2003/06/04 15:07   |
| 3 (debond debonding) with (sand with metal)  | USPAT   | 2003/06/04 15:07   |
| 22 14 4512821.URPN.  | USPAT   | 2003/06/04 15:09   |
| 7373 reclaim reclaiming  | USPAT   | 2003/06/04 15:53   |
| 24 165 sand near3 (reclaim reclaiming)   | USPAT   | 2003/06/04 15:11   |
| 25 40255 fluidize fluidized fluidizing   | USPAT   | 2003/06/04 15:11   |
| 5 distributor and ((sand near3 (reclaim  | USPAT   | 2003/06/04 15:11   |
| reclaiming)) and (fluidize fluidized   | 1   |  |
| fluidizing))   |   |  |
| 26 72 (sand near3 (reclaim reclaiming)) and  | USPAT   | 2003/06/04 15:22   |
| (fluidize fluidized fluidizing)  |   |  |
| 28 5 ("3399637"   "3772999"   "3907674"  | USPAT   | 2003/06/04 15:33   |
| "4427375"   "4434726").PN.   |   |  |
| 30 9 5271450.URPN.   | USPAT   | 2003/06/04 15:33   |
| 41 1076311 metal   | USPAT   | 2003/06/04 15:45   |
| 554267 treatment treatments  | USPAT   | 2003/06/04 15:45   |
| 43 44423 metal with (treatment treatments)   | USPAT   | 2003/06/04 15:45   |
| 44 104 (fluidize fluidized fluidizing) with (metal   | USPAT   | 2003/06/04 15:46   |
| with (treatment treatments))   | ļ   |  |
| 45 2 (reclaim reclaiming) and ((fluidize   | USPAT   | 2003/06/04 15:51   |
| fluidized fluidizing) with (metal with   |   |  |
| (treatment treatments)))   |   |  |
| 46 443987 aluminum   | USPAT   | 2003/06/04 15:51   |
| 0 US-2798030-A.DID. and aluminum   | USPAT   | 2003/06/04 15:52   |
| 48 3364 sand with aluminum   | USPAT   | 2003/06/04 15:52   |
| 49 7423 reclaim reclaiming reclaimation  | USPAT   | 2003/06/04 15:53   |
| 8 (sand with aluminum) same (reclaim   | USPAT   | 2003/06/04 15:53   |
| reclaiming reclaimation)   |   |  |
| 51 1 ("4752061").PN.   | USPAT   | 2003/06/04 15:55   |
| 52 0 5202080.URPN.   | USPAT   | 2003/06/04 15:56   |
| 53 1 "4563151".PN.   | USPAT   | 2003/06/04 15:56   |
| 54 6 5332139.URPN.   | USPAT   | 2003/06/04 15:56   |
| 55 64 (sand with aluminum) same (fluidize  | USPAT   | 2003/06/04 15:56   |
| fluidized fluidizing)  |   | 2003,00704 10:04   |
| 56 1 ("3053704").PN.   | USPAT   | 2003/06/04 16:05   |
| 60 27 3053704.URPN.  | USPAT   | 2003/06/04 16:05   |
| 66 9 5271450.URPN.   | USPAT   | 2003/06/04 16:06 2003/06/04 16:32  |
| 67 5 ("3399637"   "3772999"   "3907674"  | USPAT   | 2003/06/04 16:32   |
| "4427375"   "4434726").PN.   | 55171   | 2003/00/04 16:33   |
| - 1 ("0443551").PN.  | USPAT   | 2003/06/04 14:51   |
| - 1 ("4443551").PN.  | USPAT   | 2003/06/04 14:51   2002/10/02 18:31  |
| - 8150 regenerator   | USPAT   | 2002/10/02 18:31   |
| - 37978 distributor  | USPAT   | 2002/10/02 18:31   |
| 158567   combustion  | USPAT   | 2003/06/04 15:04   |
| earch History 6/4/03 5:45:59 PM Page 1   |   | 2002/10/02 18:31   |

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| -   | 572    | regenerator and distributor and combustion  | USPAT | 2002/10/02 18:31 |
|-----|--------|---|-------|------------------|
| -   | 167100 | fuel  | USPAT | 2002/10/02 18:31 |
| -   | 302    | (regenerator and distributor and combustion) and fuel   | USPAT | 2002/10/02 18:31 |
| -   | 860128 | air   | USPAT | 2002/10/02 18:32 |
| -   | 33195  | combustion with fuel with air   | USPAT | 2002/10/02 18:32 |
| -   | 66     | regenerator and distributor and (combustion with fuel with air)                                       | USPAT | 2002/10/02 18:32 |
| -   | 733065 | heat  | USPAT | 2002/10/02 18:32 |
| -   | 253767 | exchanger exchange  | USPAT | 2002/10/02 18:32 |
| ] - | 83129  | heat adj (exchanger exchange)   | USPAT | 2002/10/02 18:32 |
| _   | 49     | with fuel with air)) and "17"   | USPAT | 2002/10/02 18:35 |
| -   | 48     | (regenerator and distributor and (combustion with fuel with air)) and (heat adj (exchanger exchange)) | USPAT | 2002/10/02 18:35 |

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